



**IDEM
Office of Air Management
Rules Guidance**

May 1999

**DEVELOPMENT OF AMENDMENTS TO RULES CONCERNING PARTICULATE
MATTER EMISSION LIMITS FOR JOHNS MANVILLE CORPORATION
IN WAYNE COUNTY**

**# 99-34(APCB)
FACT SHEET**

Overview

This rulemaking amends the particulate matter emission limitations for the Johns Manville Corporation facility that is located in Wayne County.

Citations Affected

Amends: 326 IAC 6-1-14

Affected Persons

Johns Manville Corporation located in Wayne Township in Wayne County and persons in the vicinity of the facility.

Potential Cost

There is no additional cost to the state due to these rulemaking changes. Costs for installation of additional equipment or testing would affect Johns Manville Corporation.

Description

Johns Manville, Incorporated, has requested a revision of the state implementation plan for Wayne County approved by U. S. EPA in 1982. The company has performed air quality modeling

that indicates that the proposed limitations net increase of 169 tons per year would not violate or allow a violation of the national ambient air quality standard (NAAQS). By using a conservative background particulate matter level and Johns Manville's proposed contribution, the modeled particulate matter level will be 15% below the 24 hour NAAQS and 27% percent below the annual NAAQS.

Johns Manville, formerly Schuller International, Incorporated, operates a fiberglass insulation manufacturing plant in Richmond, Indiana. The plant uses glass-melting furnaces and forming lines in the production of fiberglass insulation materials for use in residential and commercial buildings. The company has requested that IDEM revise the particulate emission limits contained in 326 IAC 6-1-14 to allow operations 24 hours a day and 7 days a week or 8760 hours per year. The current limits allow differing number of hours of operation in a year such as 78% of 8760 hours per year for line 2 forming process and

68% of the hours per year for the line 3 forming process.

A review of best available control technology (BACT) was performed as part of an application for a permit to be issued under the Prevention of Significant Deterioration (PSD) rules. All processes are controlled consistent with this review. A BACT review considers environmental, economic, and energy impacts to support the selection of other than the most effective control options.

The draft permit requires ambient monitoring for particulate matter with an aerometric diameter less than ten (10) microns (PM_{10}) for a minimum period of 3 years following the initial compliance demonstration and IDEM reserves the authority to require the company to monitor for compliance with the national ambient air quality standard for particulate matter with an aerometric diameter less than 2.5 microns ($PM_{2.5}$) in the event that such information is necessary to demonstrate compliance with the standard.

As part of this rulemaking, all of the units have been renamed to be consistent with the company naming system and unit 112 Curing Oven (New) has been deleted from the rule since it has been removed from the site.

Consistency with Federal Requirements

The amended rules are consistent with federal laws and rules.

CONSIDERATION OF FACTORS OUTLINED IN INDIANA CODE 13-14-8-4

Indiana Code 13-14-8-4 requires that in adopting rules and establishing standards, the board shall take into account:

- 1) all existing physical conditions and the character of the area affected;
- 2) past, present, and probably future uses of the area, including the character of the uses of surrounding areas
- 3) zoning classifications;
- 4) the nature of the existing air quality or existing water quality as the case may be;
- 5) technical feasibility, including the quality conditions that could reasonably be achieved through coordinated control of all factors affecting the quality; and
- 6) economic reasonableness of measuring or reducing any particular type of pollution.

The board shall also take into account the right of all persons to an environment sufficiently uncontaminated as not to be injurious to human, plant, animal, or aquatic life or to the reasonable enjoyment of life and property.

RECOMMENDATION

It is recommended that the board final adopt the amended rule as proposed.

IDEM Contact

Additional information regarding this rule making action can be obtained from Jean Beauchamp, Rules Development Section, Office of Air Management at (800) 451-6027 (in Indiana), press 0 and ask for her or dial direct to (317) 232-8424.